



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

WET WEATHER CONTINUED

Cool, wet weather continued this week, according to the USDA, NASS, Minnesota Field Office. As of September 12, rainfall was above normal for most Minnesota observers, except for a few southeastern counties. Precipitation amounts were heaviest in the northwestern part of the state, where rainfall was 2.3 inches above normal. Amounts were also heavy in west central and north central regions, receiving 1.6 and 1.4 inches of rain above normal, respectively. Statewide topsoil moisture supplies were rated 66 percent adequate and 33 percent surplus. Surplus topsoil moisture level is the second highest for the year, leaving producers hoping for hot and dry weather for the upcoming harvest. Statewide 3.3 days were rated suitable for fieldwork.

Temperatures dropped to below-normal levels. The statewide average temperature for the week was 3.2° below normal.

Ninety-four percent of corn was in the dent stage, compared to 52 percent last year and 83 percent for the five-year average. Corn in the mature stage was 28 percent, compared to 1 percent last year and 20 percent average. Corn silage was 64 percent harvested, compared to 19 percent last year and 45 percent average. Corn was rated in 53 percent good and 37 percent excellent condition, nearly equal to last week.

Seventy-nine percent of soybeans were turning yellow, compared to 59 percent last year and 74 percent average. Thirty-seven percent of soybeans were shedding their leaves, compared to 14 percent last year and 33 percent average. Soybeans were 6 percent mature, compared to 0 percent last year and 8 percent average. Soybeans were rated in 57 percent good and 31 percent excellent condition, nearly equal to last week.

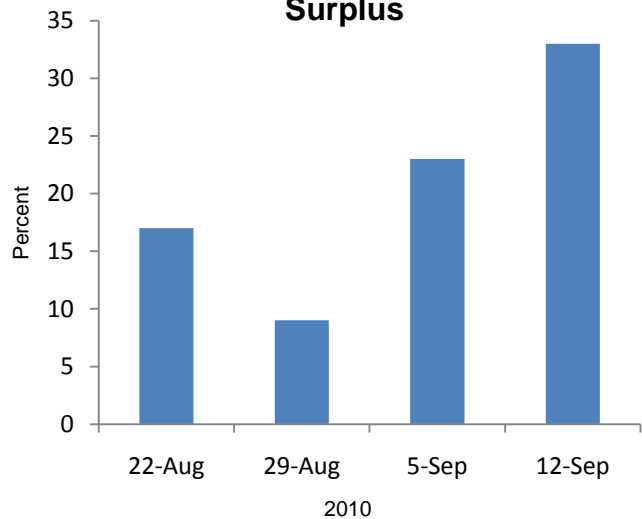
Potatoes were 34 percent harvested, sweet corn was 83 percent harvested, dry beans were 27 percent harvested, and sugarbeets were 9 percent harvested.

Days Suitable for Fieldwork: 3.3				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	1	66	33

Crop Progress as of September 12, 2010					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dent	94	85	52	83
Corn	Mature	28	12	1	20
Corn Silage	Harvested	64	35	19	45
Soybeans	Turning Yellow	79	46	59	74
Soybeans	Shedding Leaves	37	12	14	33
Soybeans	Mature	6	2	0	8
Potatoes	Harvested	34	31	25	37
Sweet Corn	Harvested	83	73	76	81
Dry Beans	Leaves Yellowing	97	86	NA	NA
Dry Beans	Dropping Leaves	75	48	NA	NA
Dry Beans	Harvested	27	14	9	26
Sugarbeets	Harvested	9	7	4	4

Condition as of September 12, 2010					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	1	13	63	23
Sugarbeets	0	2	5	57	36
Corn	1	2	7	53	37
Potatoes	0	0	3	59	38
Soybeans	1	2	9	57	31
Sunflowers	2	3	12	66	17
Dry Beans	0	1	13	63	23

Topsoil Moisture Supply Rated Surplus



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 12, 2010:
Temperatures averaged from 4.8 degrees below normal in the West Central District to 2.2 degrees below normal in the Southeast District. Extremes: 31 degrees in Hibbing, International Falls; 81 degrees in Redwood Falls, Rochester. Average precipitation ranged from 0.24 inch below normal in the Southeast District to 2.28 inches above normal in the Northwest District. Greatest weekly total of 3.39 inches was recorded in Dalton.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 9/6/2010 through 9/12/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm Since 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	68	38	55.0	-4.6	2.91	2.36	1.18	3.76	2207	71
Itasca	67	37	53.2	-2.5	3.05	2.33	2.60	3.03	1976	234
Moorhead	73	38	57.2	-3.3	3.36	2.84	1.48	4.83	2364	125
Warroad	66	38	52.5	-4.2	2.24	1.60	1.25	6.02	1847	-5
<u>NC DIST 2</u>										
Grand Rapids	69	41	55.2	-1.9	2.05	1.32	1.76	3.65	2055	190
Intl. Falls	66	31	51.6	-3.9	2.28	1.53	1.46	6.66	1803	61
<u>NE DIST 3</u>										
Duluth	68	36	53.2	-3.7	1.24	.21	-.25	4.45	1872	234
Grand Marais	71	43	54.2	-3.0	1.81	1.01	.16	-1.25	1289	32
Hibbing	69	31	51.6	-4.3	2.03	1.26	1.41	2.42	1888	193
<u>WC DIST 4</u>										
Alexandria	73	42	57.2	-3.0	.69	.02	2.31	3.62	2285	143
Browns Valley	74	39	56.9	-5.3	1.86	1.41	1.37	3.63	2271	-100
Canby	74	43	58.4	-5.5	1.51	.94	3.38	3.42	2494	7
Dalton	72	44	57.0	-4.4	3.39	2.86	3.29	5.46	2350	138
Montevideo	73	40	57.4	-5.1	2.27	1.71	3.51	4.84	2326	-35
Morris	71	39	55.8	-5.7	2.37	1.86	3.76	4.96	2292	-6
Wheaton	72	43	57.0	-4.9	3.06	2.56	4.17	2.37	2316	-23
<u>CENT DIST 5</u>										
Becker	72	44	59.1	-1.1	1.06	.26	.58	3.91	2481	308
Collegeville	77	45	59.7	-3.5	.98	.20	2.15	3.68	2522	109
Hutchinson	72	43	58.3	-4.2	.51	-.10	-.49	5.71	2534	150
Melrose	69	44	56.1	-5.2	.90	.23	1.60	5.73	2212	-62
Olivia	74	39	57.4	-4.0	1.33	.64	.61	3.48	2326	9
St. Cloud	77	42	58.8	-.9	1.91	1.17	3.05	3.62	2377	262
Staples	68	41	56.8	-1.5	1.03	.42	.03	4.82	2190	275
Wadena	68	41	54.6	-3.4	2.24	1.63	2.09	8.18	2015	96
Willmar	73	40	56.8	-5.0	1.04	.34	2.98	9.01	2400	86
<u>EC DIST 6</u>										
Aitkin	70	38	54.6	-2.8	1.59	.87	3.76	2.65	1976m	171m
Forest Lake	74	43	59.3	-2.2	.52	-.31	-.95	2.37	2483	218
Hinckley	71	41	57.0	-.7	1.55	.75	.38	8.24	1993	103
MSP Airport	79	46	62.0	-1.4	.29	-.40	-1.64	.91	2802	324
St. Paul - UofM	71	44	59.0	-4.4	.49	-.31	-1.33	2.60	2523	89
<u>SW DIST 7</u>										
Lamberton	75	32	59.2	-3.3	1.76	1.12	2.75	5.12	2602	190
Marshall	74	47	60.1	-3.2	2.42	1.86	5.95	10.63	2535	75
Pipestone	73	43	59.0	-2.8	1.54	.87	1.84	8.40	2370	50
Redwood Falls	81	42	60.8	-3.2	.75	.12	.73	3.26	2589	32
Worthington	76	38	59.2	-2.2	2.17	1.53	.40	2.76	2473	218
<u>SC DIST 8</u>										
Faribault	77	43	59.2	-2.9	.82	.00	.34	3.22	2496	197
Mankato	77	42	59.8	-2.9	1.63	.85	1.23	3.77	2517	113
Waseca	78	39	59.2	-3.3	1.01	.20	-.35	4.55	2512	167
Winnebago	79	42	61.8	-1.8	1.33	.67	-.39	4.10	2656	226
<u>SE DIST 9</u>										
Preston	80	41	61.7	-.1	1.41	.50	-.29	3.89	2605	394
Red Wing	72	46	59.7	-3.3	.47	-.40	-.15	3.97	2633	243
Rochester	81	42	60.5	-.8	1.04	.25	-1.52	.61	2494	309
Rosemount	73	44	59.4	-2.7	.16	-.72	-2.00	3.86	2498	220
Winona	73	47	59.4	-3.9	.47	-.40	-.51	7.43	2553	129

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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